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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/685,012	10/14/2003	Timothy J. Dalton	YOR920030336US1 (16898)	4288	
23389 75	590 12/15/2004		EXAM	EXAMINER	
SCULLY SCO 400 GARDEN	OTT MURPHY & PI	ORTIZ, EI	ORTIZ, EDGARDO		
GARDEN CITY, NY 11530			ART UNIT	PAPER NUMBER	
	•		2815		

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-	Application No.	Applicant(s)				
	10/685,012	DALTON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Edgardo Ortiz	2815				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on <u>08 November 2004</u> .						
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 8-20 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on <u>08 November 2004</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I (Claims 1-7) in the reply filed on November 8, 2004 is acknowledged.

Claim Objections

2. Claims 5-6 are objected to under 37 CFR 1.75 as being a substantial duplicate of each other, when two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Gabriel et al. (U.S. Patent No. 6,472,231). With regard to Claim 1, Gabriel discloses an interconnect structure (column 5, lines 54-56):

a semiconductor substrate (10) comprising one or more device regions (column 5, line 63); and

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one or more interconnect levels located atop the semiconductor substrate (figure 7), said one or more interconnect levels comprising a patterned organosilicate (column 5, lines 66-67) dielectric layer (14) having sidewalls (figure 7), wherein sidewalls are not substantially altered either chemically or physically.

With regard 2, Gabriel discloses a patterned organosilicate (column 5, lines 66-67) dielectric layer (14) having a dielectric constant of less than 4.0 (column 3, lines 19-24; column 5, lines 64-67 and column 6, lines 1-2).

With regard to Claim 3, Gabriel discloses one or more interconnect levels including metal lines (25) and vias (24); (column 9, lines 32-34).

With regard to Claim 4, Gabriel discloses metal lines (25) and vias (24) comprising a conductive material (column 9, lines 32-34).

With regard to Claims 5-6, Gabriel discloses one or more interconnect levels that form a thin-wire interconnect structure (figure 7).

With regard to Claim 7, Gabriel discloses one or more device regions that comprise a filed effect transistor (column 1, lines 21-36).

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edgardo Ortiz whose telephone number is 571-272-1735. The examiner can normally be reached on Monday-Friday (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on 571-272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

E.**6**.

A.U. 2815 12/12/04